

# NexBot Robotics 921-004 Preventive Maintenance Plan

**NexBot  
Robotics**

SKU: NXB-KIT-921-004 | Category: Services & Training > Service Plans > Preventive Maintenance Plans

## Overview

The NexBot Robotics 921-004 Preventive Maintenance Plan is a structured service designed to proactively maintain the health, safety, and performance of your automated systems. This comprehensive annual plan is executed by a certified NexBot Robotics field technician to identify potential issues before they lead to costly downtime, ensuring your robotic assets operate at their original factory specifications. By adhering to a regular maintenance schedule, you can significantly extend the operational lifespan of your equipment and maximize your return on investment. The core of this maintenance plan is a meticulous 40-point inspection covering all critical mechanical and electrical systems of the robot. This includes checking the manipulator arm for signs of wear, backlash, or damage; verifying the integrity of all electrical harnesses and connections; and ensuring the controller cabinet is clean and its cooling systems are functioning optimally. Our technician will perform a full lubrication service on all required axes, replacing old lubricants with factory-specified formulas to reduce friction and prevent premature component failure. This service is crucial for maintaining the robot's specified repeatability and speed. A key benefit of the 921-004 plan is the verification and fine-tuning of the robot's calibration. Using proprietary diagnostic tools, the technician will check mastering and axis calibration, making precise adjustments as needed to restore peak positioning accuracy. The plan also includes a thorough inspection of all safety circuits, including emergency stops, safety-rated I/O, and any integrated guarding systems, to ensure compliance and a safe operating environment for your personnel. The typical on-site duration for this comprehensive service is approximately 4 to 6 hours per robot, minimizing disruption to your production schedule. Upon completion of the service, you will receive a detailed digital report outlining all actions performed, measurements taken, and any findings or recommendations for future attention. This documentation provides a valuable service history for each asset, aids in predictive maintenance planning, and serves as a record of due diligence for safety and quality audits. This proactive maintenance plan is recommended for all compatible NexBot robot models operating in demanding industrial environments, from high-speed pick-and-place to precision assembly and material handling.

## Technical Specifications

Parameter	Value	Unit
Country of Origin	JP	

**Safety Notice:** This product must be installed and operated by qualified personnel in accordance with applicable safety standards (ISO 10218, IEC 61508).